Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	04/24/2017 11:06 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/21/2017 12:22 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124964	-1	1.58	124850	1.52
Blue	F	SSC	125000	123292	-2	2.94	123531	2.70
Blue	E	FITC	23355	22481	-4	2.30	1002	10.14
Blue	D	PE	28848	28369	-2	1.84	1019	9.40
Blue	B	PerCP-Cy5-5	47791	47001	-2	3.25	1345	16.42
Blue	A	PE-Cy7	41358	40415	-3	4.86	626	34.96
Red	C	APC	51316	50652	-2	2.69	2914	9.23
Red	A	APC-Cy7	53225	52325	-2	2.72	1083	10.94
Violet	B	V450	14473	13945	-4	4.21	668	9.19
Violet	A	V500	59973	58440	-3	3.92	2583	6.85

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19031	5.20	607	9	N/A	N/A	Pass
Blue	F	SSC	61264	1.33	535	1	N/A	N/A	Pass
Blue	E	FITC	113	37.93	540	-4	0.0209	121	Pass
Blue	D	PE	225	27.74	536	-2	0.1740	239	Pass
Blue	B	PerCP-Cy5-5	211	44.48	626	-4	0.0109	131	Pass
Blue	A	PE-Cy7	69	114.69	676	-5	0.0122	13	Pass
Red	C	APC	341	27.27	591	-3	0.0215	91	Pass
Red	A	APC-Cy7	118	41.34	571	-5	0.0061	2189	Pass
Violet	B	V450	82	42.57	472	1	0.0454	1972	Pass
Violet	A	V500	190	23.44	503	2	0.0122	214	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.51	-31.53	0.81
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.32
Red	17.20	13.27 - 19.91	N/A	N/A	31.59	32.00	1.14

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 11320

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments